M 270

PORTABLE DVD/CD/MP3 PLAYER

OPERATING INSTRUCTIONS

Dear customer

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.
Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

BEFORE USING THIS PLAYER

Important! Please read the following instructions before attempting to operate the player

CLASS 1 LASER
PRODUCT TO IEC 825
LASER KLASSE 1
NACH IEC 825

To prevent fire of shock hazard, do not expose the unit to rain or moisture.

Warnings

Use only shielded cables to connect I/O devices to this equipment.

Types of Warning Signs

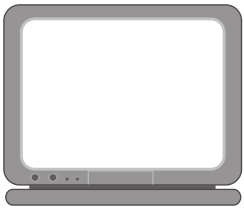
There are two types of warning in this manual, indicated by the following symbols:

Indicates a Warning or caution for operation.

Indicates a Warning or caution for safety.

Rain and Moisture Warning

To reduce the risk of fire or electric shock,
do not expose this appliance to rain or moisture.



Warning !

This symbol is intended to alert you to the presence of dangerous voltage with the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock or fire. Do not expose the unit to rain or moisture. Refer to the warning label or tag included, and exercise with extreme caution.

Caution !

This symbol is intended to alert you to the presence of important operating and maintenance instructions in the literature accompanying the appliance. Refer to the User's Manual or Operator's Manual for precautionary instructions.

Laser Warnings !

This product is equipped with a laser device. Be sure to observe the following precautions when operating. Failure to observe these precautions could result in fire, bodily injury and damage to the equipment.

1.Do not operate the controls, make any adjustments, or perform any procedures other than as specified in this manual or in the DVD player installation guide.

2.Allow only authorized service technicians to repair the laser equipment.

All of the portable DVD player's systems comply with the appropriate safety standards, including IEC 825. The laser itself complies with laser product performance standards set by government agencies for a Class 1 laser product. The portable DVD player does not emit hazardous light. The beam is totally enclosed at all time.

Power Cord Warnings !

If operating the portable DVD player from battery power, refer to Chapter 3 of this manual.
Use an approved power cord.
If the original power cord is missing or lost, purchase a power cord:
- That is approved for use in your country.
- That is rated for the product and for the voltage and current marked on the product's electrical ratings label.
- That has a voltage and current rating greater than the voltage and current rating marked on the product.
- With a minimum wire diameter of 0.75 mm2/18AWG
- That is between 1 and 1.8 meters long.

If you have questions about the type of power cord to use, contact your authorized service provider.

Battery Warnings !

The portable DVD player comes with a Li-ion battery pack. There is a risk of fire and burns if the battery pack is handled improperly.
- Do not disassemble, crush, or puncture the battery pack.
- Do not short the battery pack's external contacts.
- Do not expose the battery pack to fire or water.
- Do not attempt to open or service the battery pack.
- Replace only with the battery pack designated for this product.
- Discard used batteries according to the manufacturer's instructions.

Copyright

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received; including interference that may cause undesired operation.

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution!

To reduce the risk of electric shock, do not remove cover (front or back). No user-serviceable parts inside. Refer servicing to qualified service professional.

THIS PRODUCT APPLIES U.S. PATENT NOS. 4,631,603, 4,577,216, 4,819,098, AND 4,907, 093 LICENSED FOR LIMITED VIEWING USES ONLY.

Important Safety Instructions

01. Read these instructions.
02. Keep these instructions.
03. Heed all warnings.
04. Follow all instructions.
05. Do not use this apparatus near water.
06. Clean only with a damp cloth.
07. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
08. Do not install it near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
09. Do not defeat the safety purpose of the polarized-type plug: A polarized plug has two blades with one wider than the other. The wider blade is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched (particularly the plug, convenience receptacles, and the point where they exit from the apparatus).
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use with caution.
13. Unplug this apparatus during lightning, storms, or when unused for a long period of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way: ex. Power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Please read all of these instructions thoroughly before operating the DVD Player.

- Unplug the connector from DVD-Player to the system unit before cleaning. Do not use liquid or aerosol cleaners.
- Use a damp cloth for cleaning.
- Use only attachments recommended by the manufacturer; un-approved attachments may be hazardous.
- Do not place the DVD-Player near water, for example near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
- Do not place the DVD-Player on an unstable cart, stand or table. If the DVD-Player falls, it could injure a person or cause serious damage to the appliance.
- Use only a cart or stand recommended by the manufacturer or sold with the mounting kit approved by the manufacturer and follow the kit instructions.
- This is a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Do not allow anything to rest on the power cord. Do not locate the DVD-Player where people may walk on the cord.
- In order to avoid the damage of the DVD-Player from lightning and power surges, please unplug all the connectors from the system unit when the DVD Player is under a spare time or lightning storm.
- Do not overload power outlet and extension cords. Electric power overload will cause fire or electric shock.
- Never push any objects into the slot in the DVD-Player cabinet. It could touch dangerous voltage points or short out parts resulting in a fire or electric shock. Never spill liquid on the DVD-Player.
- If your DVD-Player does not operate normally, unplug it immediately and contact an authorized technician.
- To avoid electric shock, do not attempt to open the cabinet and repair any damaged parts. Unplug

the DVD-Player from the system unit and refer servicing to qualified service personnel under the following conditions:

1. When the power cord or plug is damaged or frayed.
2. If liquid have been spilled onto the DVD-Player.
3. If the DVD-Player has been exposed to rain or moisture.
4. If the DVD-Player does not operate normally after you have followed the operating instructions. Adjust only those controls covered by the operating instructions; improper adjustments to other controls may result in damage and may require extensive work by a qualified technician to restore the DVD-Player to normal operation.
5. If the DVD-Player has been dropped or the cabinet has been damaged.
6. When the video and audio of DVD-Player exhibits a distinct change in performance.
7. To reduce the risk of electric shock, do not remove the cover (front or back). No user-serviceable parts inside. Refer servicing to qualified service professional.
8. This product applies to U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098 and 4,907,093 Licensed for limited viewing uses only.
9. DVD-Player is a high quality laser product. This player uses a visible laser beam that could cause hazardous radiation exposure if directed to the eyes.

Notes on Discs

Handling precautions

- Hold the disc by the edges so the surface will not be soiled with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ball-point pen or other writing tools.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Be careful not to drop or bend the disc.
- Do not install more than 1 disc on the disc tray.
- Do not try to close the disc tray when the disc is not installed properly.
- Be sure to store the disc in its exclusive case.

If the Surface is soiled

- Wipe gently with a soft, damp (water only) cloth.
- When wiping discs, always move the cloth from the center hole toward the outer edge.
- If you wipe the discs using a circular motion, circular scratches are likely to occur, which will cause noise while playing.
- If the disc is brought from cold to warm environment, moisture may form on the disc.
- Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.

Improper disc storage

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight.
- Humid or dusty areas.
- Areas directly exposed to a heat outlet or heating appliance.

- The player cannot play discs that is unsuitable for your player.

Maintenance

- Be sure to turn the power button OFF and disconnect the power plug before maintaining the unit.
- Wipe this unit with a dry soft cloth.
- If the surface is extremely dirty, wipe clean with a cloth that has been dipped in a weak acid and water solution and wrung out thoroughly, and then wipe again with a dry cloth. Never use alcohol, benzene, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust.

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CHAPTER 1. (ACCESSORY LIST)

Check the contents of the package to make sure nothing is missing or damaged. Some parts may be optional. Contact your dealer with any questions.

1.POWER ADAPTOR+POWER CORD

2.COMPOSITE VIDEO CABLE

3.STEREO AUDIO CABLE

4.AUTO ADAPTOR (optional)

5.BATTERY PACK

6.REMOTE CONTROL

7.OPERATING INSTRUCTIONS

Note on condensation

If the unit is suddenly moved from a cold place to a warm one. It may result in condensation on the pickup lens causing malfunction or playback difficulties.
Should this occur, leave the unit for a few hours, then try playback again.

To clean the cabinet

Use a soft cloth lightly moistened with a detergent solution.
Do not use strong solvents such as alcohol, benzene or thinner.

Selecting the Video System

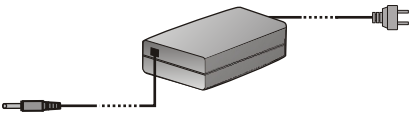
The video system of the player can be set automatically according to the contents of the DVD or VCD titles.
In general, the NTSC system, used by the USA, is also used in most Asian countries.
The PAL system, used by most European countries, is used in China and Hong Kong.
Thank you for purchasing our product.

Before using the portable DVD player, we strongly recommend that you to read the instructions in this manual. They will help you to operate and maintain the product.
Please keep this manual for future reference. To get started quickly using the portable DVD player, see Chapter 2, Quick User Guide.

NOTE

Video CD:
Some discs can not be played back in this unit due to their conditions. In some discs, track numbers are displayed differently from the ones printed in their packages due to conditions of readings.

1



POWER ADAPTOR+POWER CORD

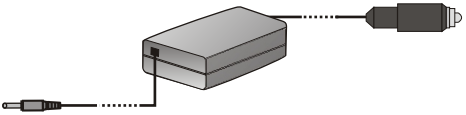
2

COMPOSITE VIDEO CABLE

3

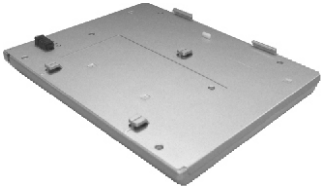
AUDIO CABLE

4



AUTO ADAPTOR(optional)

5

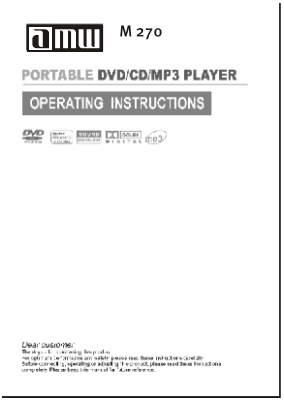


BATTERY PACK

6

REMOTE CONTROL

7



OPERATING INSTRUCTIONS

CHAPTER 2. (QUICK USER GUIDE)

2-1 Connecting the Power

Refer to Chapter 3 for instructions on how to install and use the battery pack.
1.Connect the power cord to the AC adapter.
2.Connect the power cord to a power source.
3.Connect the AC adapter to the DC IN jack on the left side of the player.

Use only the AC adapter that was shipped with the player. Using a substitutes may result in damage to the player. Do not use the player's adapter with other equipments. It is normal for heat to release from the adapter when it is connected to a power source. Please disconnect the adapter from the source when the player is not in use.

2-2 Opening the LCD screen

The LCD screen is on the inside of the cover.
To open the screen:
1.Press the cover lock at the top of the screen cover.
2.GENTLY lift the cover to the position.

! DO NOT TOUCH THE SCREEN WITH SHARP OBJECTS ALWAYS CLOSE THE COVER WHEN THE DVD PLAYER IS NOT IN USE.

2-3 Opening the Disc Cover

The disc cover inside the player protects the disc while it is being played. It should be closed at all times except to change discs.

To open the disc cover, press the OPEN button at the bottom left of the cover. The cover will be open.

! Even though the laser beam will stop emitting when the cover is opened, DO NOT LOOK AT THE LASER HEAD. The laser beam could still damage your eyes.

2-4 Removing the safety card

Before inserting a disc and turning on the power for the first time, be sure to remove the cardboard safety card.

2-5 Placing a Disc in

To place a disc in the player:
1.Open the disc cover.
2.Aligh the disc on the player.
3.Gently press the disc into place.
4.Close the disc cover.

DO NOT TOUCH THE LASER HEAD. AND AVOID DUST OR DIRT ON THE LASER HEAD. Keep the disc cover closed at all times to prevent dust or dirt from collecting on the laser head.

2-6 Turning the power ON

To turn the power on, press the POWER HOLD/ON/OFF button on the left front side of the player. And you can use this switch to lock your own setting.

2-7 Playing a DISC

To play a disc, press the " ▶ " button on the front of the player.

2-8 Stopping a Disc

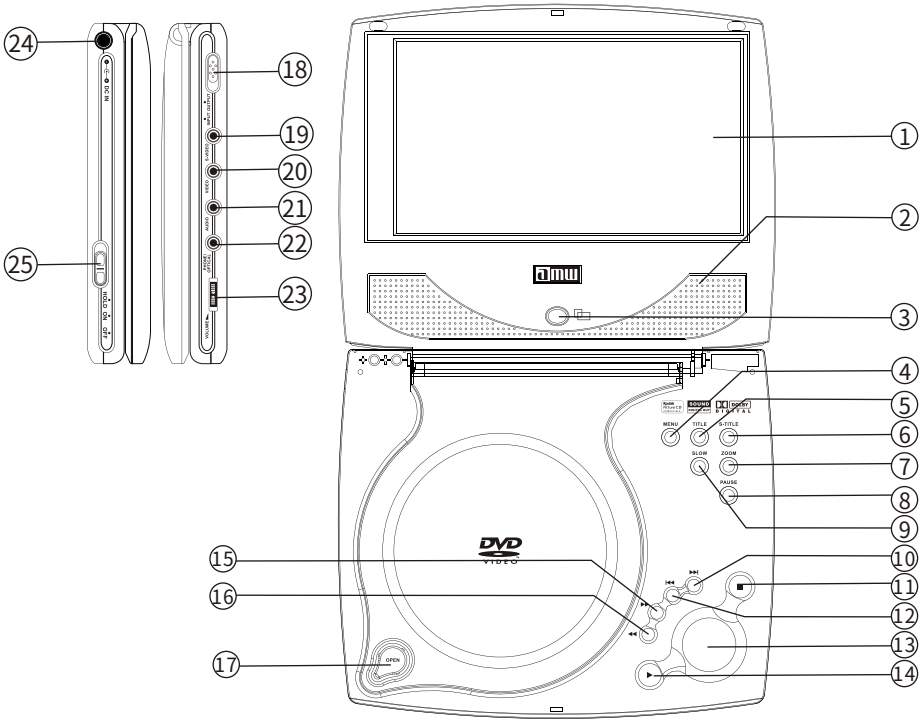
To stop the disc, press the " ■ " button on the front of the player.

2-9 Turning the power OFF

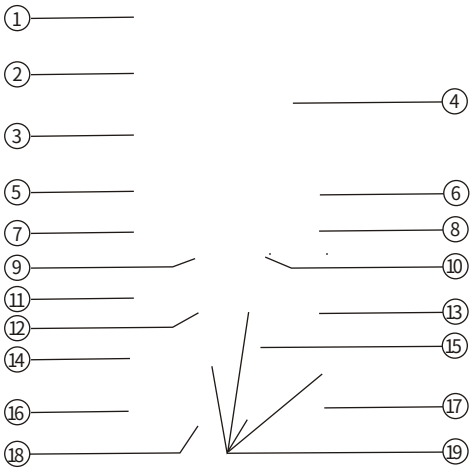
To turn the power on, press the POWER HOLD/ON/OFF button on the left front side of the player.

Parts and controls

Main unit (front and right side)



① Liquid crystal display
Do not push the liquid crystal display .
② Stereo speakers
③ Display mode button
④ MENU button
⑤ TITLE button
⑥ S-TITLE button
⑦ ZOOM button
⑧ PAUSE button
⑨ SLOW button
⑩ NEXT button
⑪ STOP button
PREVIOUS button
⑬ ↑ ↓ ← → buttons
⑭ PLAY button
⑮ FAST FORWARD button
⑯ FAST REVERSE button
⑰ DISC OPEN button
⑱ INPUT/OUTPUT switch
⑲ S-VIDEO jack
⑳ VIDEO IN/OUT jack
㉑ AUDIO IN/OUT jack
㉒ PHONE/OPTICAL jack
㉓ VOLUME control
㉔ DC IN 9V jack
POWER HOLD/ON/OFF switch



① POWER button
② PROGRAM button
③ REPEAT button
④ NUMBER buttons
⑤ A-B button
⑥ MUTE button
⑦ PREVIOUS button
⑧ FAST FORWARD button
⑨ NEXT button
⑩ FAST REVERSE button
⑪ SUBTITLE button
⑫ PAUSE button
⑬ STOP button
⑭ LANGUAGE button
⑮ PLAY button
⑯ SETUP button
⑰ ANGLE button
⑱ MENU button
↑ ↓ ← → buttons

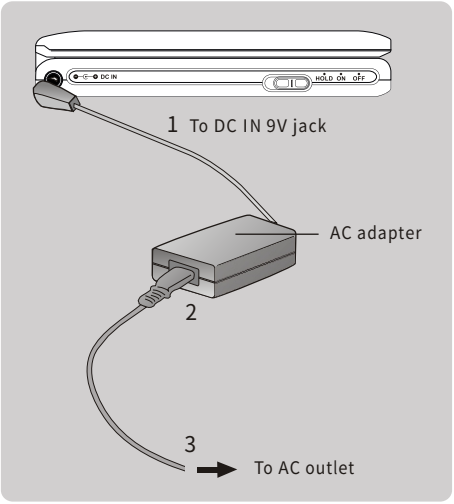
Insert the battery (Lithium battery)

Button-type battery (Lithium battery)

1.Pinch the battery holder clip together then pull the tab to remove the battery holder.
2.Insert the battery with the + facing in the same direction as the + on the battery holder.
3.Push over the batteries holder

Warning : the battery used in this device may present a fire or chemical burn hazard if mistreated a

Using the AC adaptor



1. Connect the AC adaptor to the main unit.

Insert the AC adaptor plug to the DC IN 9V jack of the main unit.

2. Insert one end of the supplied AC power cord to the AC adaptor socket.

Use only the supplied AC power cord.

3. Insert the AC plug to the AC outlet.

You may need to use the supplied AC plug adaptor depending on the shape of the AC outlet.

Using the battery pack

Charging the battery pack

1. Connect the AC adapter to the battery pack.

2. Insert one end of the supplied AC power cord to the AC adapter socket.

Use only the supplied AC power cord.

3. Insert the AC plug to the AC outlet.

You may need to use the supplied AC plug adapter depending on the shape of the AC outlet.

When recharge is finished

The charge indicator turns off. After making sure the indicator is turned off, disconnect the AC adapter and the supplied power cord.

Time to recharge the battery

Recharge time

Recharge and playback time depends on battery pack capacity and the temperature condition.

	Standard	Option	Option
Capacity	3000 mAh	4500 mAh	6000 mAh
Recharge Time	3-5 hours	6-8 hours	7-10 hours
Playback Time	2 hours	3.5 hours	4.5 hours

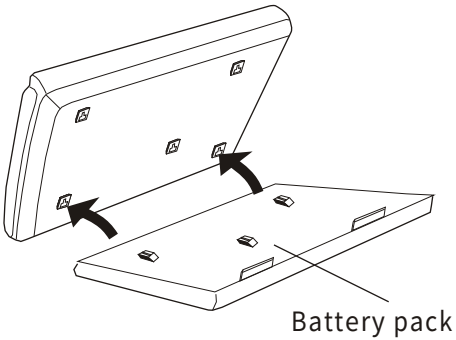
* The table above is based on the temperature condition of 20°C (68°F).

NOTES

- A new battery pack which is not used yet, or one which is not used for more than one month may not be recharged enough . This is due to the characteristic of this battery, and is not a malfunction. In this case, recharge it two or three times before the first use.
- Noises may be generated on the TV or the radio during recharging. In this case, use a more distant power socket from them.
- Do not recharge or discharge the battery near a heating element such as a heater or direct sunlight.

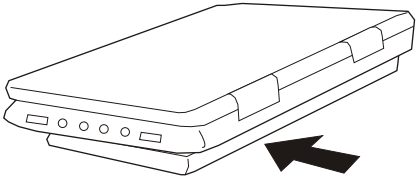
Connecting the battery pack to the unit

1. Fit the claws of the battery pack into the latch slots on the bottom of this unit.



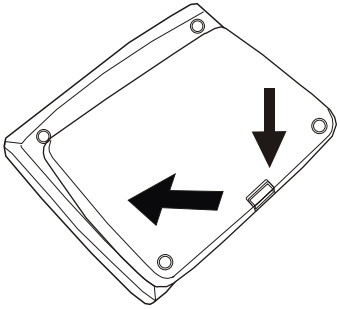
2. Push the battery pack up and into the latch slots as shown below.

Make sure that the battery pack is connected firmly.



Disconnecting the battery pack

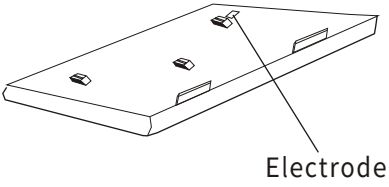
Slide the latch release and slide the battery pack off as shown below.



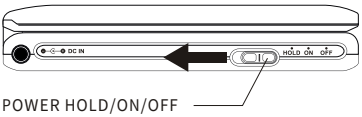
When the player is not used for an extended period of time, disconnect the battery pack from the unit. When it is connected, a small amount of current continues to flow to the player , even when the power is turned off. If left connected for a long time, the battery may become over-discharged.

Caution

When you carry or hold the battery pack, make sure not to touch the electrode with metals.



Playing back

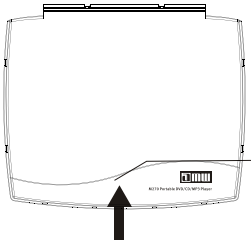


POWER HOLD/ON/OFF

1. Slide POWER switch on the main unit toward ON to turn the power on.

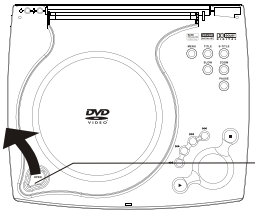
The power cannot be turned on by POWER of the remote control.

When using with the battery pack, the power may not be turned on at once, In this case, turn the power on again after 3 seconds. If the unit is still not turned on, recharge the battery pack.



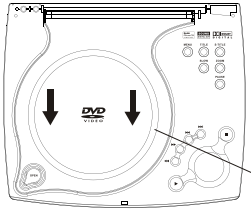
OPEN

2. Press OPEN to open the display panel.



DISC OPEN

3. Put your finger on the pit DISC OPEN on the front side of this unit and open the disc cover.



A disc with the label side up

4. Load a disc with the label side up and push down around the center of it. The disc is fixed with a click.

5. Close the disc cover.

This unit automatically begins playing the disc.

NOTES

- Load only one disc.
- After loading or removing a disc, make sure to close the disc cover. If the inside the unit be comes dusty, it will cause a malfunction.
- When playing a DVD disc, set the PAL/NTSC button on the remote control to suit the color system of the disc playing during stop or power off. Otherwise, the full potential of the disc may not be realized.

When the menu screen is displayed

The menu screen may be displayed first after loading a DVD or video CD version 2.0 with PBC ON which contains a menu.

You cannot select the program in the menu screen while the on screen display appears.

Turn off the on screen display before selecting the program.

DVD : Use ▲▼◀ ▶ or the number buttons to select the program you would like to view. Then press ENTER to begin playback. Press TOP MENU or MENU to return to the menu screen.
Video CD : Use the number buttons to select the program you would like to view. Playback begins. Press MENU to return to the menu screen.
When PBC is set to ON, you cannot select the program with the main unit.
For either DVD or Video CDs, menu continuations and the exact operating procedures for using the menu may vary from disc to disc. Follow the instructions on the menu screen.

To turn the power off

Slide the POWER switch on the main unit toward OFF, or press POWER on the remote control.

After playing back a disc

Slide the ON/OFF switch toward **"OFF"** to turn the power off.
If stop mode or pause mode lasts for more than 5 minutes, the unit automatically enters standby mode (Auto power saving). While the liquid crystal display is off, the power indicator remains lit. Press Play to turn on the power again.

Removing the disc

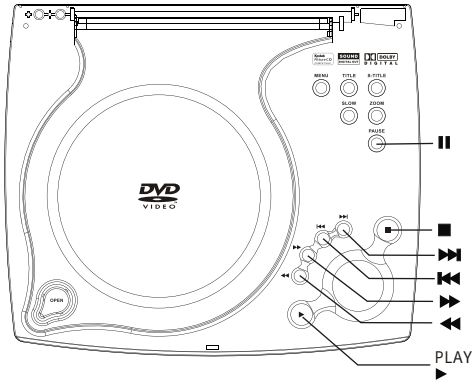
Caution

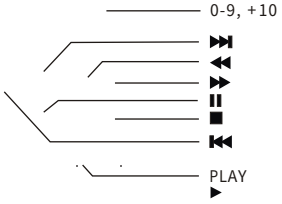
Make sure that the disc stops and is completely still before you remove the disc.
If you touch the spinning disc, you may hurt your finger.

1.Press ■ to stop playback.
2.Put your finger on the pit DISC OPEN on the left side of this unit and open the disc cover.
3.Remove the disc from the groove, Do not touch the surface of the disc.
4.Close the disc cover.

To listen through the headphones

Insert the headphones (not supplied) into the Phones Jack on the right side.





Stopping playback

Press ■
This unit remembers the point at which playback stopped (Resume function). When ▶ (Play) is pressed, playback begins from the resumed point.

Fast Forward, Reverse

Press ◀◀ or ▶▶ on the remote control or keypad on the portable DVD player during playback.
The program is fast forwarded or in rewound at high speed.

To clear the resumed point

Press ■ again during stop.

It is also cleared when the disc cover is opened.

Still (Pause)

Press ❚❚ during playback.

To return to normal playback.

Press ▶ (play) or ❚❚ .

NOTE

This unit remembers the point at which playback was paused.

Previous and Next

Press ⏮ or ⏭ during playback.

- Skip to the next chapter or track: ⏭
  The disc position advances one chapter or track each time the button is pressed.
- Return to the previous chapter or track: ⏮
  For DVD, video CD with PBC on, and audio CD:
  Pressing ⏮ once skips to the beginning of the chapter (track) currently being played, and pressing ⏮ twices skips to the previous chapter (track).
  For video CD with PBC off:
  Pressing ⏮ once skips to the previous track.

To skip to the desired chapter or track directly using the remote control (video CD, audio CD)

Enter the desired track number using the number buttons on the remote control.

Example: To play track10

Press +10, 0 on the remote control.

Playback begins.

- When ◀◀ or ▶▶ is pressed repeatedly during DVD or video CD playback, the playback speed changes each time the button is pressed, as shown below.

▶▶2X ▶▶ 4X ▶▶ 8X ▶▶ 16X ▶▶ 32X
(◀◀ 2X) (◀◀ 4X) ◀◀ 8X ◀◀ 16X ◀◀ 32X)

To return to normal playback

Press ▶ (Play).

NOTE

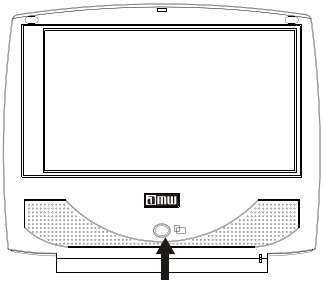
- There is no audio during fast forward or reverse (DVD and Video CD only). During audio CD play, the sound is heard intermittently.
- In some discs, the speed displayed on the screen may be different from the actual speed.

Display mode on the liquid crystal display

The liquid crystal display can be adjusted scale be 16:9 or 4:3.

Press Display Mode on the unit.

Each time you press MODE, the display changes as follows:



Full (16:9)

↓

Normal (4:3)

Black belts appear on the left and right sides.

NOTE

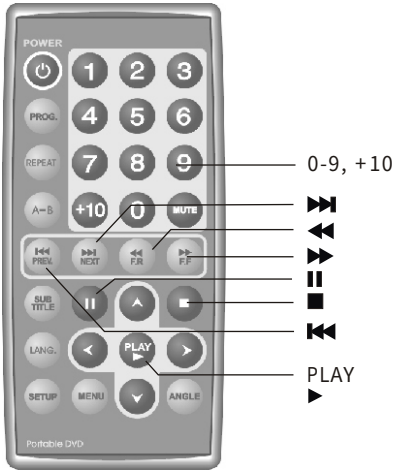
When using with the AC adaptor, the liquid crystal display is bright when the power is turned on.

When using with the battery pack, the liquid crystal display is dim when the power is turned on.

CHAPTER 5. (OPERATION WITH OSD)

Information about On Screen Display (OSD)

This unit features OSD Menu Icons showing disc information (title, chapter, track, number, elapsed playing time, audio/subtitile language, angle, and sound) and player information (repeat play, play mode, marker, etc.).
Some icons only show the indicated information. Other icons allow the settings to be changed.



Common procedures

1.Press SETUP during playback.
Title function can be accessed from the stop mode.

2.Press ◄/► to select the desired item.
The current selected item is indicated by a Shadow frame on its OSD menu icons.

3.Press ▲ / ▼ to select the desired setting.
For some functions, the setting will be registered immediately; for others, ENTER (PLAY) must be pressed.

To clear the OSD Menu Icons, Press SETUP again.

Detailed Description of each OSD Menu Icon

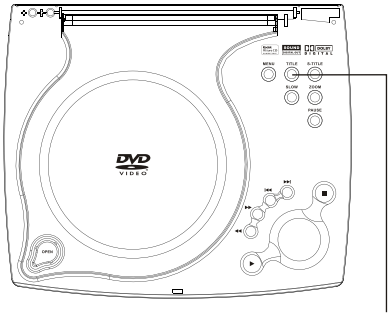
You can view information about a disc and its operational status on the TV screen.

Press SETUP during playback. (TV screen)	FUNCTION (Press ◄/► to select desired item)	SELECTION METHOD
	General setup	◄/► ▲/▼
	Audio setup Show the audio information	◄/► ▲/▼
	Video setup	◄/► ▲/▼
	Preference setup	◄/► ▲/▼
	Password setup	◄/► ▲/▼
	exit setup	◄/► ▲/▼

Using a Title Menu

Some movie discs may contain two or more titles. If the disc has a title menu recorded on it, the TITLE button can be used to select the movie title. (The details of operation differ depending on the disc used.)

- Selecting a title may not be possible on certain DVD discs.



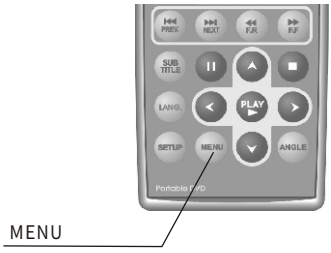
1.Press TITLE.
A list of the titles on the disc is displayed. Press TITLE again to resume play from the scene when TITLE was first pressed.

- Resume play may not be possible on certain discs.

2.Press ▲/▼/◄/► and press PLAY, or press the numeric button(s), to select desired title.
The selected title now starts playing.

Using a DVD Menu

Some DVDs have unique menu structures called DVD menus. For example, DVDs programmed with complex contents provide guide menus, and those recorded with various languages provide menus for audio and subtitle language. Although the DVD menu's contents and operation differ from disc to disc, the following explains the basic operation when this feature is used.



1.Press Menu during play.
The DVD menu available on the disc is now displayed. Pressing MENU again resumes play from the scene when MENU was first pressed.

2.Press ▲/▼/◄/► and press PLAY, or press the numeric button(s), to select desired item.

Changing Subtitle Language

When playing discs which contain subtitles, you can display the subtitles on the screen or change the language of the subtitles.

Changing the subtitles on Playing.

1. While playing, press SUBTITLE on the remote control repeatedly.

Changing the subtitles

1. While playing, press MENU on the remote control repeatedly.
The DVD menu icons are displayed.

2.Press ◄ or ► to select the Preference Page.

3.Press ▲or ▼to select the subtitle icon and desired language.
This function can be set to "English","French" ,"Spanish","Chinese","Japanese" or "German" and etc. (Depending on the DVD format).

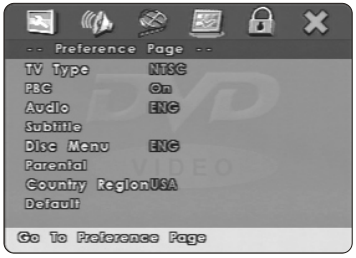
Chaning Audio Soundtrack Language

It is possible to change the audio soundtrack language (or encoding method, channel number) to a different language from the one selected at the initial setting in case of DVD disc. This operation works only with discs on which multiple audio soundtrack languages are recorded. And it is possible to change the audio channel in case of audio CD.

Changing the language on Playing.

1. While playing, press MENU on the remote control repeatedly.
The menu icons are displayed.

2.Press ◀or ▶to select the Preference Page.



3.Press ▲or ▼to select the Audio icon.

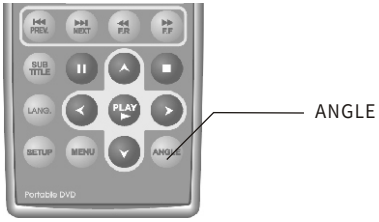
4.Press ▲or ▼to select desired language.
This function can be set to "English","French", "Spanish","Chinese","Japanese" or "German" and etc. (Depending on the DVD format).

NOTE

- When the desired language is not selected even after pressing the button several times, it means that the language is not available on the disc.
- When the power is turned on or the disc is removed, the language heard is the one selected at he initial setting. If this language is not recorded on the disc, only the available language on the disc will be heard.
- Some discs may not respond to Audio feature.

Viewing from another Angle

Some DVDs may contain scenes which have been shot simultaneously from a number of different angles. For these discs, the same scene can be viewed from each of these different angles using the ANGLE button. (The recorded angles differ depending on the disc used.)



1.Press ANGLE during playback.

2.Press ANGLE repeatedly until the desired angle is selected.

For your reference
The ANGLE indicator will blink in the display window at scenes recorded at different angles to indicate that angle switching is possible.

NOTE

This function only works for discs having scenes recorded at different angles.

Repeat Play

Repeating viewing (listening)
Press REPEAT during playback.
Each time this button is pressed, the disc will repeat a chapter or title (DVD) or a track (CD/Video CD).

REPEAT

Repeating viewing(listening)
Press REPEAT during playback.
Each time this button is pressed, the TV screen changes as shown below and the disc will repeat a chapter or title (DVD) or a track (CD/Video CD).

Press REPEAT during play. Each time this button is pressed, repeat options are shown as follows:

Repeat Chapter
Repeat Title
Repeat All
Cancel Repeat Mode

NOTE

Repeat play works only with discs for which the elapsed playing time appears in the unit's display during playback. Repeat play may not work correctly with some DVDs. For MP3 disc, there are three modes to repeat the contents: Folder (default value), Rep-one and Folder Rep.

Repeating sections between two specific points (A-B repeat)

A-B REPEAT

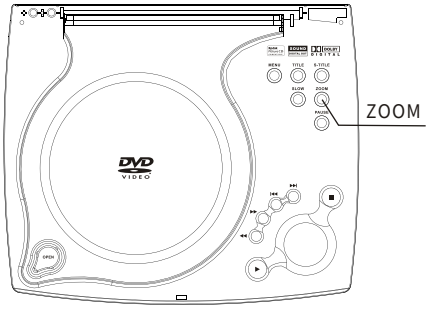
1. Press "A-B" to repeat play between two intervals. Press "A-B" (1), to set the beginning of the repeat cycle. Press "A-B" again (2), to set the end of the repeat cycle. This process will enable constant repeat playing between (1) and (2).
2. Press "A-B" again to end the process and return to normal play mode.

NOTE

A-B repeat play works only with discs for which the elapsed playing time appears in the unit's display during playback. This function is not available for MP3 discs. Some subtitles recorded around point A or B may fail to appear.

Zoom Feature

Zoom feature (DVD and Video CD only)
The Zoom function allows you to enlarge the video image and to move through the enlarged image.



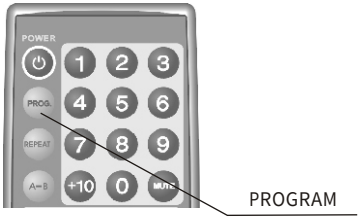
Press ZOOM during playback or still playback to activate the Zoom function.
Each time this button is pressed, the enlarged image changes as followed:
2X→3X→4X→1/2X→1/3X→1/4X→restore image's normal size.
You can move the scene with direction key.

NOTE

- Some discs may not respond to the Zoom feature.
- Zoom does not work on subtitles or menus included on DVD video discs.

Program Play

The player plays the tracks on the disc in the order you specify.



Press PROG. On the stop mode.
The program playback menu screen appears on the TV screen.

You can arrange the orders of the titles, chapters, or tracks on the disc and create your own program. This function is only active in PBC (Play Back Control) OFF mode.

Playback with MP3

What is MP3?

MP3 is a new music format which is capable to play the music on the internet. We are the first company to offer this function in a home DVD player in order to play MP3 files which recorder on CD-R discs.

MP3 Operation

1.Load an MP3 disc.
The MP3 menu is displayed and playback starts automatically.
2.Press ▲/▼ button to select the desired folder.
3.Press PLAY ▶ to see the MP3 list under the selected folder. Press PLAY ▶ to return to the previous page.
4.Press ▲/▼ to select the desired MP3 file. And press PLAY to play the selected MP3 file.
5.Select 🗀 mark and press PLAY ▶ to return to the previous page.

To program play an MP3 file

1.Load an MP3 disc.
The MP3 menu is displayed.
2.Press PROGRAM button to see all the MP3 files in the disc and press ▲ ▼ to select the desired MP3 file and press PLAY to play the selected MP3 file.
3.Press ⏭ or ⏮ to go the next / previous page.
4.Press "1/ALL" to select different play modes including: Single, Repeat Folder, Folder, Shuffle, Random and Repeat One.

NOTE

- The file name is only displayed in English.
- If there is an impossible code to display, it will be displayed underlined signs instead of English.
- This unit can play up to 200 files per disc.
- Disc format is compatible with ISO9660 only.
- If there are already data files which are not MP3 files on the CD-R disc, please do not use that disc; use a new one instead. However, if the disc is a CD-RW disc, this does not apply.

What is WMA (Optaional)

WMA, short for Windows Media Audio, is also a digital audio files similar to a MP3. WMAs are more efficient than MP3s because they can be compressed to an even smaller size than MP3s. This simply means that a **WMA** takes up less space on your computer like a MP3 but only works with Windows Media player. **Application:** The same as MP3 operation.

What is DVD-Audio (Optaional)

DVD-Audio is a format specifically designed to provide the highest possible audio fidelity capable on DVD. The audio fidelity of DVD-Audio far exceeds the quality of conventional CD's and audio on DVD-Video. DVD-Audio takes advantage of the large storage capacity, speed and flexibility possible with DVD. DVD-Audio provides for audio in stereo and in multi-channel surround in a wide rang of specifications. In addition to audio, a DVD-Audio disk can contain a limited amount of video, which can be used to display text, such as lyrics or notes; or stills such as a photo album. Up to 16 graphic stills can be associated with each track and on-screen displays can be used for lyrics and disc navigation, As an option, a DVD-Audio disc can also include audio tracks recorded in the DVD-Video specification (Dolby Digital and DTS) for compatibility with DVD-Video players.

Working With Your JPEG Files

What is JPEG?

JPEG is short for the "joint Photographic Experts Group", a group of experts nominated to produce standards for continuous tone image coding.

The best known standard from JPEG is ISO 10918-1(ITU-T T.81), which is the first of a multi-part set of standards for still image compression. This allows you to create files (such as photographs, drawings, and most clip-art) that can be archived on a CD-R for viewing on the RDV650, computer, or the web.

Playing Your JPEG Files

Normal Slide Show Presentation

When a JPEG disc is loaded into the player, a menu will appear on screen. (The same as the on screen menu of MP3) . Each picture in the current directory will be displayed consecutively in a slideshow presentation and will be automatically displayed using the largest size that fits in your television screen. Sixteen slideshow "transition" modes are provided. Use the "PROGRAM" button to select one of the following transition effects:

Mode 1 :Wipe Top(by default)	Mode 2 :Wipe Bottom
Mode 3 :Wipe Left	Mode 4 :Wipe Right
Mode 5 :Diagonal Wipe Left Top	Mode 6 :Diagonal Wipe Right Top
Mode 7 :Diagonal Wipe Left Bottom	Mode 8 :Diagonal Wipe Right Bottom
Mode 9 :Extend From Center H	Mode10:Extend From Center V
Mode11:Compress To Center H	Mode12:Compress To Center V
Mode13:Window H	Mode14:Window V
Mode15:Wipe From Edge To Center	Mode16:Move In from Top

Press "**1/ALL**" button to select different play modes including : **Random, Repeat One, Repeat All, Repeat Off,Single** and **Shuffle**.

Image Rotation

There are four modes to rotate a picture: **Invert, Mirror, Left,** and **Right.** These operations are allowed only when a picture is being displayed normally, and will be cancelled automatically when the next picture is displayed (press "**next** " or "**prev** ") The arrow key are used to select the different rotation modes:
Up-Mirror / Vertical
Down-Mirror /Horizontal
Left-Turn left
Right-Turn right

Menu

When JPEG CD is played, the "**MENU**" key is used to display JPEG folders and the corresponding files. During the playback, press "**STOP**" to access thumbnail menu.

Zoom

This features allows you to view a picture at 50%~200% in several increments. Press the "**ZOOM**" button. An on screen message ("**Zoom 100%**") will verify your selection. Use "F.F." And "F.R." Keys to control the amount of zoom in and out. Press the direction keys to move the picture in any direction. Press " **Zoom**" button again to exit the " **Zoom**" mode and back to normal operation.

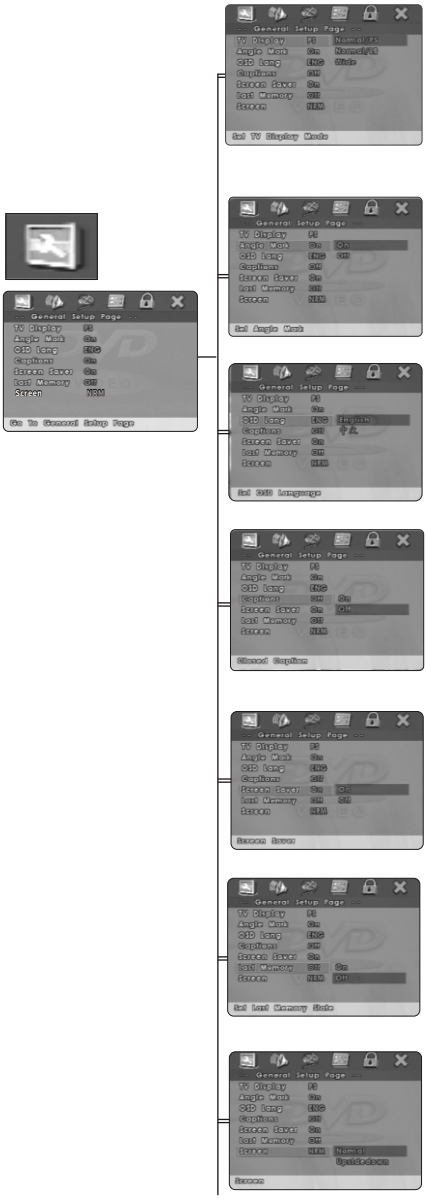
Note: When in the "ZOOM" mode, the Slideshow transition and image transformation features are disabled.

CHAPTER 6. (INITIAL SETTINGS)

Changing setup values

Use the Setup Menu display to change the system configuration. In this section, each item on the Setup Menu display will be described. Use "▲ /▼ / ◄ / ► "buttons to select the item you want and press " **PLAY**" or "**ENTER**" button to confirm.

General Setup Page



TV Display:
The type TV set(4:3 or 16:9) connected to the player can be wide-screen picture type for a 4:3 TV can be set. Select "**General Setup Page**". You will see the following table on the screen. Press " ▲ /▼ " to select "**TV Display**". Press "**PLAY**" to confirm your choice. This setting can only be changed on the setup menu.

Normal /PS:
Select this option when you connect a normal TV to the player. Displays the wide picture with a portion automatically cut off (the left and right edges).

Normal/ LB:
Select this for a conventional sized TV set. Black bands appear in both upper and down sides. (Letter-Box Style)

Wide:
Select this for a wide-screen TV set, played in full size. Setting the side-screen TV to FULL mode is also necessary.

Angle Mark: ▲ ▼
Press " / " to select "**Angle Mark**". This function can be set to "**ON**" or "**OFF**" This function only works on the discs that support the multiple angle view feature.

OSD Lang: ▲ ▼
The setup menu can be shown in another languages. You can choose another language by pressing " / " to select "**OSD Lang**". Turning the power off will not effect the setting. The setting can only be changed from the setup menu.

Note: Some DVD may not include the pre-selected languages. In this case, the player automatically displays menu that is consistent with the disc's initial language setting.

Captions: ▲ ▼
Press " / " to select " Captions". This function allows you to turn the subtitles on or off.

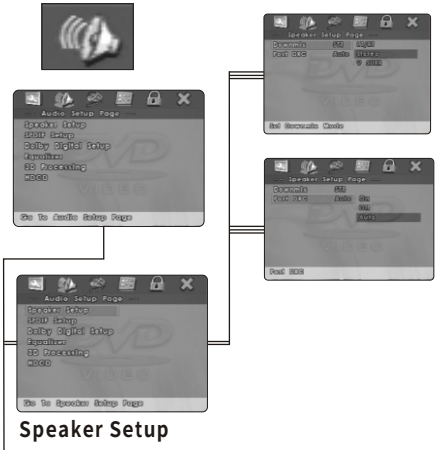
Screen Saver:
Press " ▲ / ▼ " to select " Screen Saver". This function can be set to "**ON**" or "**OFF**".

Last Memory:
Press " ▲ / ▼ " to select "Last Memory". When the setting is "**ON**", the player starts memorizing the last memory of the last disk. This function only works when the player is powered on.

Screen: ▲ ▼
Press " / " to select "Screen" This function can be set to "**Normal**" or "**Upstdedown**".

Audio Setup Page

Audio setup options should only be changed if the DVD player is connected to a LEFT or RIGHT surround sound processor.



Speaker Setup

SPDIF Setup

Dolby Digital Setup

Speaker Setup

Downmix:
Switches the mixing down methods when you play a DVD with rear signal components. This function can be set to "LT/RT", "Stereo", "V SURR ".

Post Drc:
This is selected to adjust post dynamic range compression function to obtain the different compression results.

SPDIF Setup

SPDIF OUTPUT :
Press"▲/▼ " to select "SPDIF Output" .

CD:
Press"▲/▼ " to select "CD" digital output while "SPDIF Output" is set to "Manual".

DOLBY DIGITAL :
Press" ▲ / ▼ " to select "Dolby digital" output while "SPDIF Output" is set to "Manual".

DTS : ▲ ▼
Press" / " to select "DTS" digital output while "SPDIF Output" is set to "Manual".

MPEG: ▲ ▼
Press" / " to select "MPEG" digital output while "SPDIF Output" is set to "Manual".

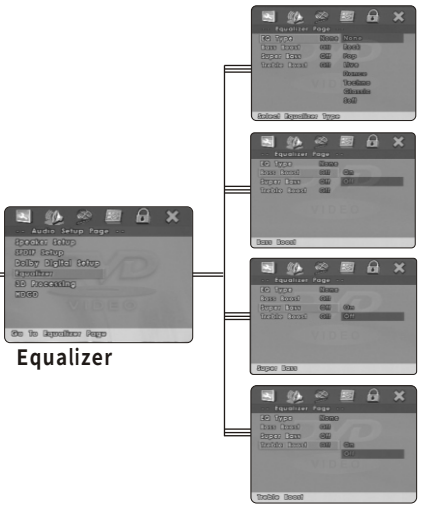
PCM Channel: ▲ ▼
Press" / " to select "PCM" channel digital output while "SPDIF Output" is set to "Manual".

LPCM Out: ▲ ▼
Press" / " to select "LPCM Out" frequency. 2 channel 48k and 96K.

Dolby Digital Setup

DUAL MONO :
This is the output mode of the L and R signals of the set audio output. If it is set to "**Mix-Mono**", this function only works when the DVD is being played in 2 channel.

Dynamic:
Press" ▲ / ▼ " to adjust the linear compression rate of the signal.



Equalizer

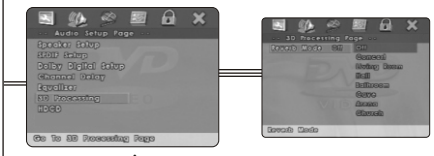
Equalizer

EQ Type:
There are 7 types of EQ setting.You may select the favorite sound effect depending on the playing disc.

Bass Boost:
Enable the "**Bass Boost**" function.

Super Bass:
Enable the "**Super Bass**" function.
This function only works when "**Bass Boost**" is on.

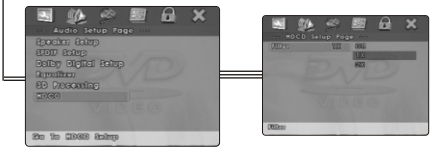
Treble Boost :
Enable the "**Treble Boost**" function.



3D Processing

3D Processing

Reverb Mode:
3D PROCESSING MODE selection. There are 7 options including "Concert, Living Room, Hall, Bathroom, Cave, Arena, Church".

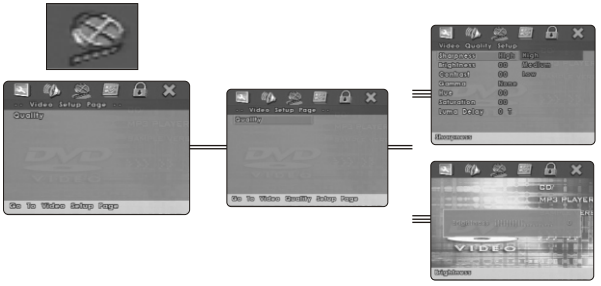


HDCD

HDCD

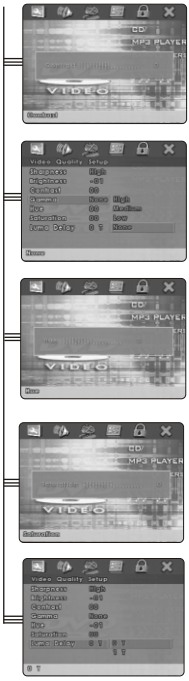
HDCD (option):
Select" HDCD" to have better sound quality while playing HDCD format CD. (This function only works when the"Filter" is selected to 2X.)

Video Setup Page



Sharpness :
Press " ▲/▼ " to adjust "Sharpness".

Brightness:
Press " ◀/▶ " to adjust "Brightness".
Press "PLAY" to return to "Brightness".



Contrast:
Press " ◄/► " to adjust "Contrast".
Press "PLAY" to return t
"Contrast".

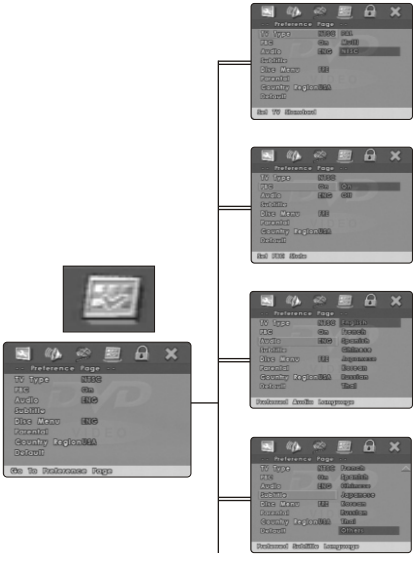
Gamma:
Press " ▲ /▼ " to adjust "Gamma".

Hue: ◄ ►
Press " / " to adjust "Hue".
Press "PLAY" to return to "Hue".

Saturation: ▲▼
Press " / " to adjust "Saturation".
Press "PLAY" to return to
"Saturation".

Luma Delay:
Press " ▲/▼ " to adjust
"Luma Delay".

Preference Page

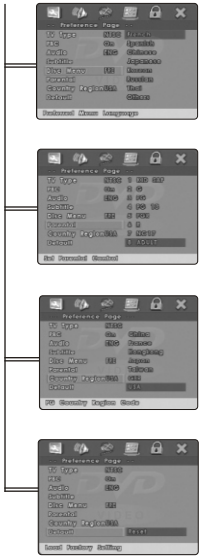


TV Type :
Press " ▲/▼ " to select "TV Type". Select the TV type according to the TV set. (Including NTSC, PAL and Multi.)

PBC :
Playback control. This is the function especially for VCD. Press "PBC" (On) to allow to program selected chapter. After this material is completed, the root menu will appear. Press "PBC" (Off) to play movie uninterrupted.

Audio :
This function can be set to "English","French", "Spanish","Chinese","Japanese" or "German" and etc. (depending on the DVD format).

Subtitle :
This function can be set to "English","French", "Spanish","Chinese","Japanese" or "German" and etc. (depending on the DVD format).



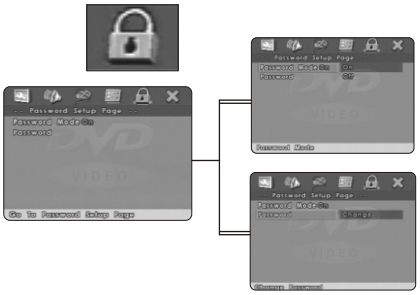
Disc Menu :
This function can be set to "English","French", "Spanish","Chinese","Japanese" or "German" and etc. (depending on the DVD format).

Parental :
Move the arrow to "Parental" There are 8 options of selections. Parental control only works with DVD discs that have this protection system encoded. Parental control does not work for VCD or audio CD discs.

Country Region :
Set up the parental control country region.

Default :
This function will change all parameter to the default setting.

Password Setup Page

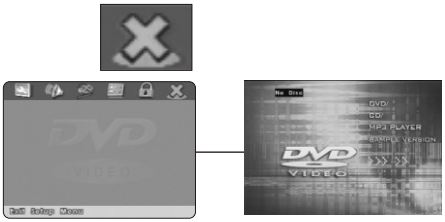


Password Mode:
Press " ▲/▼ " to select "Password Mode" to"On" or "Off".

Password :
The initial factory setting for "Old Password" is 123456 . You need to enter this number if you want to change the password.

Note:
Do not forget your password. Currently, there is no way to override the password.

Exit Setup Page



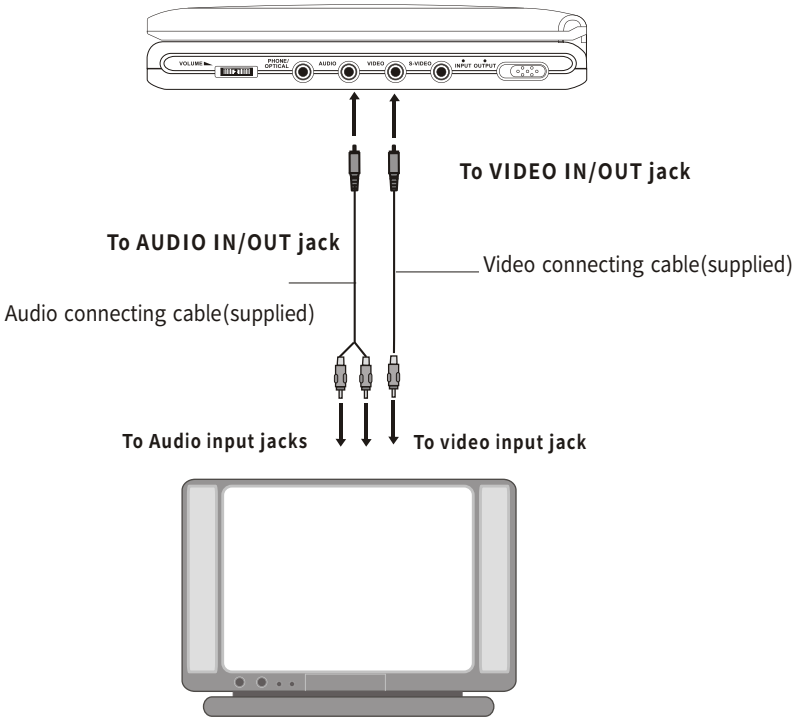
Exit Setup Menu :
Press "PLAY" to exit the Setup Menu.

CHAPTER 7. (CONNECTION)

Before connecting

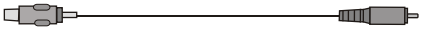
- Turn off the power of this unit and the equipment to be connected.
- Refer to the instructions for the equipment to be connected.

Connecting to a wide TV/ an AV TV



To connect to a TV set equipped with S-video input

Use the Supplied S-video connecting cable instead of the video connecting cable to connect the S-VIDEO jack of this unit and the S-VIDEO input jack of the TV set.

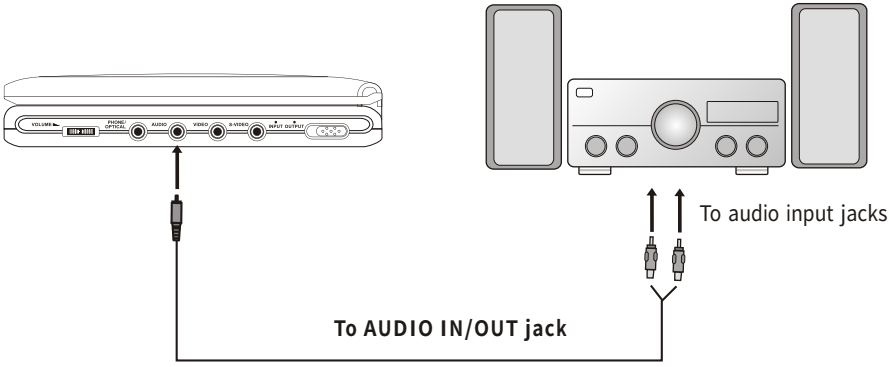


S-video connecting cable (optional)

To set to the color system of the connected TV

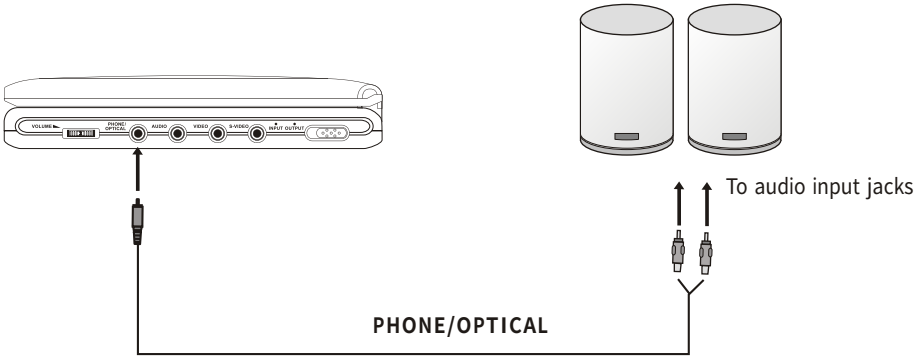
Use the setup menu to change the TV (PAL/NTSC) color system, refer Preference Page.

Connecting to audio equipment without digital audio input terminals



Audio connecting cable(supplied)

Connecting to an active speaker system



Audio connecting cable(optional)

Output sound from the optical output terminals of this unit

Playing disc	Audio recording system	Output audio signals
DVD	Dolby digital (AC-3)	◦ Bit stream of Dolby digital (AC-3) (2ch-5.1ch) ◦ PCM (48kHz/16bit) (2ch)*1 Select it in the initial setting "Digital output".
	Linear PCM 48kHz/96kHz 16/20/24 bit	Linear PCM (48kHz/16bit) (2ch)*2
	DTS	◦ Bit stream of Dolby digital(1ch-5.1ch) ◦ No output PCM signal
Video CD	MPEG1	PCM (44.1kHz)*1
Audio CD	Linear PCM	Linear PCM (44.1kHz)*1

- **This changes condensed audio signals to PCM and outputs them.**
- **When a 96kHz-24bit disc is played, the audio signals are output in 48khz-16bit.**

CHAPTER8. (OTHERS)

Troubleshooting

If something seems to be wrong with your DVD player, first check the items in the table below.

General

The power does not turn on.

- Connect the AC adaptor correctly or insert the battery pack correctly.
- Check that POWER switch is not set to OFF.
- The power can not be turned on by POWER of the remote control while the power switch is off.

he power automatically turns off.

- In stop mode, the unit automatically enters the power saving mode after 10 minutes when using with the AC adapter, and using with the battery pack (Auto power saving). Press POWER of the remote control to turn on the power again.

Buttons on the main unit or on the remote control do not function.

- In some discs, the operation may be prohibited.
- Check that POWER switch is not set to OFF.

The unit does not work correctly.

- Remove the AC adaptor and the rechargeable battery, then attach them again.

The unit is warmed during playback.

- This is not a malfunction.

Sound and picture

No sound comes out from the connected speakers.

- Check if the connection is correct.

No picture appears on the TV screen.

- Check if the connection is correct.
- Set the input switch on the TV set to "video".
- Set the player INPUT/OUTPUT switch to "OUTPUT".

No picture appears on the liquid crystal display.

- Check that the INPUT/OUTPUT switch of the player is set to "OUTPUT" .

Pictures are distorted during torward / backward search.

- This is not a malfunction.

The liquid crystal display.

- For the liquid crystal display of this unit, high quality wide screen liquid crystal, composed of 230 thousand pixels. Sometimes a few of pixels may appear black or some other color due to the property of the liquid crystal parts, but this is not a malfunction.

Operations

Playback does not start by pressing (play).
Playback stops immediately.

- The player is affected by condensation. Wait approximately one or two hours.
- If the disc is dirty, wipe it with a cleaning cloth.
- Insert the disc correctly with the label side up.

Menu playback cannot be done in a video CD.

- Menu playback can be done only on a video CD with PBC function.

Menu display is not in specified language.

- Check "Disc Menu" of language in initial settings.

Subtitles are not displayed.

- Subtitles are not displayed in a DVD in which subtitles are not recorded.
- If the subtitle is set to "OFF". Set it to "ON".

Audio /subtitle language can not be changed.

- It can not be changed on a disc that only one language is recorded.
- The menu display may be used to change the language instead of the audio/subtitle change operation.

Troubleshooting (continued)

Remote control

The remote control does not work.

- Make sure the batteries are inserted with the correct polarity.
- If the batteries have very little power, replace them with new ones.
- Point it toward the remote sensor.
- Operate it within 5 meters from the remote sensor.
- Remove any object put between the remote control and the remote sensor.
- Check that the POWER switch is not set to "OFF".

The DVD player is a piece of precision equipment. Make sure not to bump or jar the player during playback, or at any other time.

Language codes

Code	Language	Code	Language	Code	Language	Code	Language
6565	Afar	7285	Hungarian	7784	Maltese	8472	Thai
6566	Abkhazian	7289	Armenian	7789	Burmese	8473	Tigrinya
6570	Afrikaans	7365	Interlingua	7865	Nauru	8475	Turkmen
6577	Amharic	7378	Indonesian	7869	Nepali	8476	Tagalog
6582	Arabic	7383	Icelandic	7876	Dutch	8479	Tonga
6583	Assamese	7387	Hebrew	7879	Norwegian	8482	Turkish
6588	Aymara	7465	Japanese	7982	Oriya	8484	Tatar
6590	Azerbaijani	7473	Yiddish	8065	Punjabi	8487	Twi
6665	Bashkir	7487	Javanese	8076	Polish	8575	Ukrainian
6669	Byelorussian	7565	Georgian	8083	Pashto;Pushto	8582	Urdu
6671	Bulgariar	7575	Kazakh	8084	Portuguese	8590	Uzbek
6672	Bihari	7576	Greenlandic	8185	Quechua	8673	Vietnamese
6678	Bengali;Bangla	7577	Cambodian	8277	Rhaeto-Romance	8679	Volapuk
6679	Tibetan	7578	Kannada	8279	Romanian	8779	Wolof
6682	Breton	7579	Korean	8285	Russian	8872	Xhosa
6765	Catalan	7583	Kashmirl	8365	Sanskrit	8979	Yoruba
6779	Corsican	7585	Kurdish	8368	Sindhi	9072	Chinese
6783	Czech	7589	Kirghiz	8372	Serbo-Croatian	9085	Zulu
6789	Welsh	7665	Latin	8373	Singhalese		
6865	Danish	7678	Lingala	8375	Slovak		
6869	German	7679	Laothian	8376	Slovenian		
6890	Bhutani	7684	Lithuanian	8377	Samoan		
6976	Greek	7686	Latvian;Lettish	8378	Shona		
6978	English	7771	Malagasy	8379	Somali		
6979	Esperanto	7773	Maori	8381	Albanian		
6983	Spanish	7775	Macedonian	8382	Serbian		
6984	Estonian	7776	Malayalam	8385	Sundanese		
6985	Basque	7778	Mongolian	8386	Swedish		
7065	Persian	7779	Moldavian	8387	Swahili		
7073	Finnish	7782	Marathi	8465	Tamil		
7074	Fiji	7783	Malay	8469	Telugu		

Interactive DVD
With this DVD disc, the story is changeable by user's selection, and/or the direction of view is changeable.

Title, chapter (DVD)
A DVD disc is divided into large parts (title) and smaller parts (chapter).
Each part has a number which is called title number or chapter number.

Track (video CD/audio CD)
A video CD or an audio CD is divided into some parts (track).
Each part has a number which is called a track number.

Dolby digital (AC-3)
A technique for digital audio compression developed by Dolby Corporation.
Not only stereo (2 ch) sound, but also 5.1ch sound can be compressed by it. A large amount of data can be held in a disc efficiently.

Dolby PRO Logic decoder
Equipment in which 4 channel signals recorded in 2 channels by Dolby surround (pro logic) are reverted to signals in 4 channels when playing them back. As compared with the surround sounds of 5.1 ch of Dolby digital (AC-3), separation between channels is worse and surround signal is played back only within 7 kHz.

Pan & scan screen
This signifies that the screen recorded in wide-screen format is displayed with left and right portions cut off.

Playback control (video CD Version 2.0)
A video CD with the playback control function can be played back by following the menu display interactively.

Letter box screen
This signifies that the screen recorded in wide-screen format is displayed with black bands at the top and bottom of the screen.

Linear PCM audio(LPCM)
This is the signal recording system for audio CD. While the signals are recorded by 44.1 kHz/16 bit in audio CD, by 48kHz/16 bit -96kHz /24 bit in DVD. As a result, DVD is played back in higher quality sound than in audio CD.

MPEG (Moving Picture Experts Group)
MPEG is the international standard format for moving pictures provided by the Moving Picture Experts Group organized under ISO (international Organization for Standardization) and IEC (International Electro-technical Commission). MPEG provided MPEG1 in 1991, and MPEG2 in 1994. MPEG2 enables play in higher quality than MPEG1.

S-VIDEO OUT terminal
As this terminal divides the video signals into color signal and brightness signal to transmit them to the TV set, the picture becomes clearer. We recommend connecting an S-VIDEO cord (supplied) to the TV set and S-VIDEO terminal.

Specifications

Main unit

Power supply DC9V
Power consumption 18W
Weight
Main uint: 700g
Battery pack: 275g/3000mAh
(375g/4500mAh & 475g/6000mAh are optional)
Dimensions
190(w)X164(D)X28.5(H)
Signal format NTSC/PAL
Supporied discs
DVD video discs
12cm(singel-sided single-layer,
single-sided double-layer,
double-side-double-layer)
8cm (singel-sided single-layer,
single-sided double-layer,
double-side-double-layer)
Compact discs (CD-DA, video CD)
12cm and 8cm discs
S-VIDEO output
Y output level: 1Vp-p (75Ω)
C output level:
0.286Vp-p (75Ω) (NTSC)
0.3Vp-p (75Ω) (PAL)
Video output
Video composite output
1 Vp-p (75 Ω)
Audio output
DOWN MIXING AUDIO OUT
connector
1.5Vrms (1kHz)

Audio output characteristics
Frequency range:
CD/VCD: 20Hz to 20KHz
DVD: 4Hz to 22kHz
(48 kHz sampling)
Operating conditions
5℃ to 35℃ (41°F to 95°F)

AC adaptor

Input 110-240V AC 50/60Hz.18W
Output DC 9V 2A

Battery charger

Input 110-240V AC 50/60Hz.18W
Output DC 9V 2A

Auto adaptor (optional)

Input DC 11-16V 50/60Hz 2.7A
output DC 9V 2A

THIS PRODUCT COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS 21 CFR SUBCHAPTER J.

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Apparatus Claims of U.S. Patent Nos.4,631,603. 4,577,216. 4,819,098 and 4,907,093 licensed for limited viewing uses only.

This device complies with part15 of the FCC Rules. Operation is subject to the following two conditions : (1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CLASS 1 LASER PRODUCT TO IEC 825
LASER KLASSE 1 NACH IEC 825

Warranty Information

Amphion MediaWorks

Warranty Information

Amphion Media Works Inc.
1001 Lawson St,
City of Industry, CA 91748
Tech Support line: 626-968-6860
Fax: 626-968-5778
E-mail: customerservice@a-mw.com

Amphion MediaWorks Inc's (AMW) warranty obligations are limited to the terms set forth below: AMW warrants to the original consumer purchaser that AMW DVD Player will be free from defects in material and workmanship for the Standard Warranty Period of one year. The start of the warranty period is the date of purchase. The warranty on the replacement player is the remainder of the warranty on the original player or 90 days, whichever is longer.

Warranty Exclusions:

- Normal wear and tear
- Abuse, unreasonable use, mistreatment, or neglect
- Damage caused by the equipment or system with which the disk player is used
- Damage caused by modification or repair not made or authorized by AMW
- Disk player whose AMW Serial Number has been removed or defaced
- Damage caused by use of non-AMW packaging
- Damage caused by improper or improperly used packaging
- Players that are determined to be stolen. For Repairs Under Warranty
  If the customer discovers a defect, AMW will, at its option, repair on the DVD player at no charge to the customer, provided it is returned during the warranty period with transportation charges prepaid, to AMW Player must be properly packaged in AMW packaging or AMW approved packaging to obtain warranty service.

For warranty service, contact AMW at 626-968-6860 (N USA) to obtain a "Return Material Authorization (RMA) number: "A copy of receipt or sale bearing the appropriate AMW serial number may be required for warranty service.

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